FIG.1

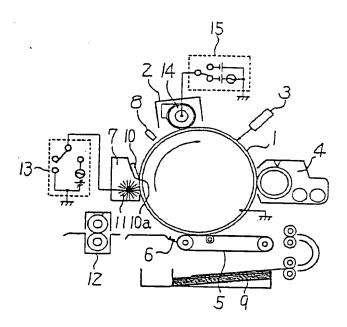


FIG.2

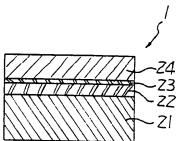


FIG.3

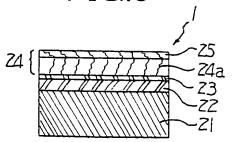


FIG.4

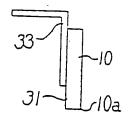


FIG.5

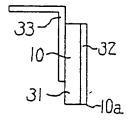
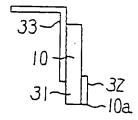


FIG.6





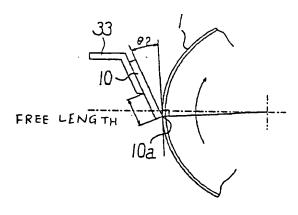


FIG.8

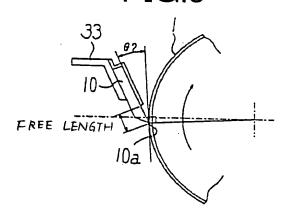
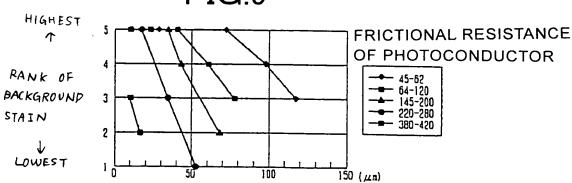
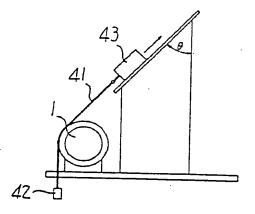


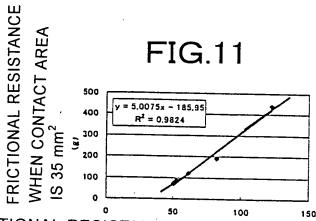
FIG.9



SURFACE ROUGHNESS OF BLADE EDGE (DEPTH OF CHIPPED PART)

FIG.10





FRICTIONAL RESISTANCE WHEN CONTACT AREA IS 15 mm<sup>2</sup>(9f)

FIG.12 0.5 0.5 COEFFICIENT FRICTIONAL 0.4 0.3 **Q. Z** CONTACT AREA : 35. 0. 1 Q 50 250 300 350 FRICTIONAL RESISTANCE (gf)

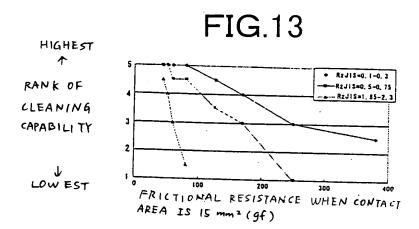


FIG.14

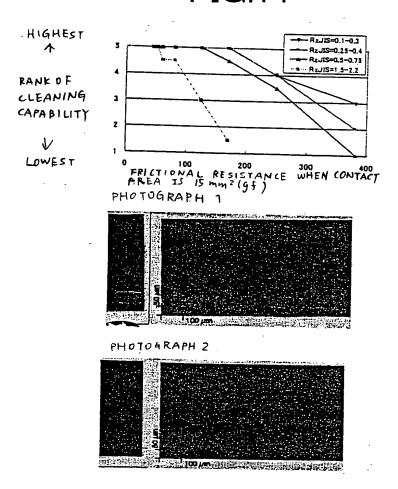
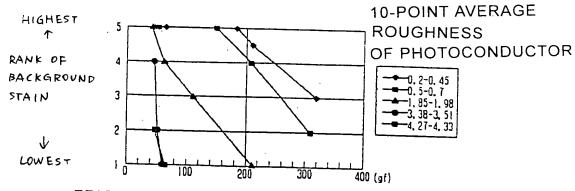


FIG.15



FRICTIONAL RESISTANCE OF PHOTOCONDUCTOR

**FIG.16** 

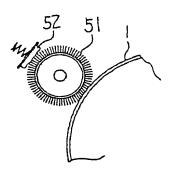


FIG.17

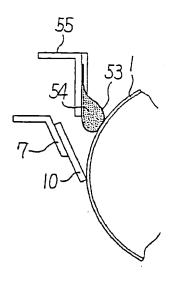
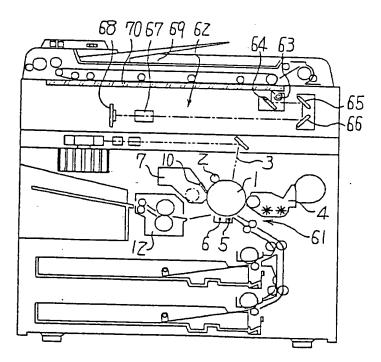


FIG.18



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FIG.19

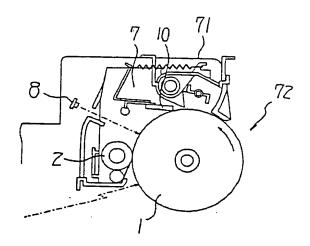


FIG.20

